

CODING CONTEST 1

1.

Code :

```
package com.selenium.project.sundar;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;
import org.junit.Assert;

public class CC1Q1 {
    WebDriver driver;
    @Test
    public void f() throws Exception {
        WebDriverManager.edgedriver().setup();
        driver=new EdgeDriver();
        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();
        Thread.sleep(3000);
        driver.findElement(By.xpath("//*[@id=\"user-
name\"]")).sendKeys("standard_user");

        driver.findElement(By.xpath("//*[@id=\"password\"]")).sendKeys("secret_sauce");
        driver.findElement(By.xpath("//*[@id=\"login-
button\"]")).click();
        WebElement acrt=driver.findElement(By.id("add-to-cart-sauce-
labs-backpack"));
        acrt.isEnabled();
        acrt.click();
        WebElement
crt=driver.findElement(By.xpath("//*[@id=\"shopping_cart_container\"
]/a"));
        crt.isEnabled();
        crt.click();

        driver.findElement(By.xpath("//*[@id=\"checkout\"]")).click();

        Assert.assertEquals(driver.getCurrentUrl(),"https://www.saucedemo.co
m/checkout-step-one.html");
```

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```
        driver.findElement(By.xpath("//*[@id=\"first-
name\"]")).sendKeys("NAGASUNDAR");
        driver.findElement(By.xpath("//*[@id=\"last-
name\"]")).sendKeys("N");
        driver.findElement(By.xpath("//*[@id=\"postal-
code\"]")).sendKeys("630211");

driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();

driver.findElement(By.xpath("//*[@id=\"checkout_summary_container\"]/div/div[1]")).isDisplayed();

System.out.println(driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div")).getText());

System.out.println(driver.findElement(By.xpath("//*[@id=\"checkout_summary_container\"]/div/div[1]/div[3]/div[2]/div[2]/div")).getText());

        Assert.assertEquals(driver.getTitle(), "Swag Labs");

Assert.assertEquals(driver.getCurrentUrl(), "https://www.saucedemo.com/checkout-step-two.html");
        driver.quit();
    }
}
```

Output (Console) :

The screenshot displays the output of a Selenium test run in an IDE. The console window on the left shows the following output:

```
<terminated> CC1Q1 [TestNG] C:\Users\nagas\Downloads\ eclipse-jee-2022-09-R-win32-x86_64\ eclipse\ plugins\ org.eclipse.justi.openjdk hotspot.jre.full.win32.x86_64.17.0.4.v2022
[RemoteTestNG] detected TestNG version 7.7.1
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting Microsoft Edge WebDriver 112.0.1722.39 (e40a520f851f31c19c0c93c4278f5b408ec37d7c) on port 39694
To submit feedback, report a bug, or suggest new features, please visit https://github.com/MicrosoftEdge/

Only local connections are allowed.
Please see https://aka.ms/WebDriverSecurity for suggestions on keeping Microsoft Edge WebDriver safe.

Microsoft Edge WebDriver was started successfully.
Sauce Labs Backpack
$29.99
PASSED: com.selenium.project.sundar.CC1Q1.f

=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====
```

The right pane shows the 'Results of running class CC1Q1' with a green bar indicating 1 test passed and 0 failures. The 'Failure Exception' pane is empty.

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2.

Code :

```
package com.selenium.project.sundar;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.edge.EdgeDriver;
import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

public class CC1Q2 {
    WebDriver driver;
    @Test
    public void f() throws Exception {
        WebDriverManager.edgedriver().setup();
        driver=new EdgeDriver();
        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();
        Thread.sleep(3000);
        driver.findElement(By.xpath("//*[@id=\"user-
name\"]")).sendKeys("standard_user");

        driver.findElement(By.xpath("//*[@id=\"password\"]")).sendKeys("secre
t_sauce");
        driver.findElement(By.xpath("//*[@id=\"login-
button\"]")).click();
        Thread.sleep(3000);

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/di
v/span/select")).isEnabled();

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/di
v/span/select/option[1]")).isEnabled();
        System.out.println("A - Z : " +
        driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div")).g
etText());

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/di
v/span/select")).click();

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/di
v/span/select/option[2]")).isEnabled();

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/di
v/span/select/option[2]")).click();
```

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```
System.out.println("Z - A : " +
driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]/div")).getText());

driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).click();

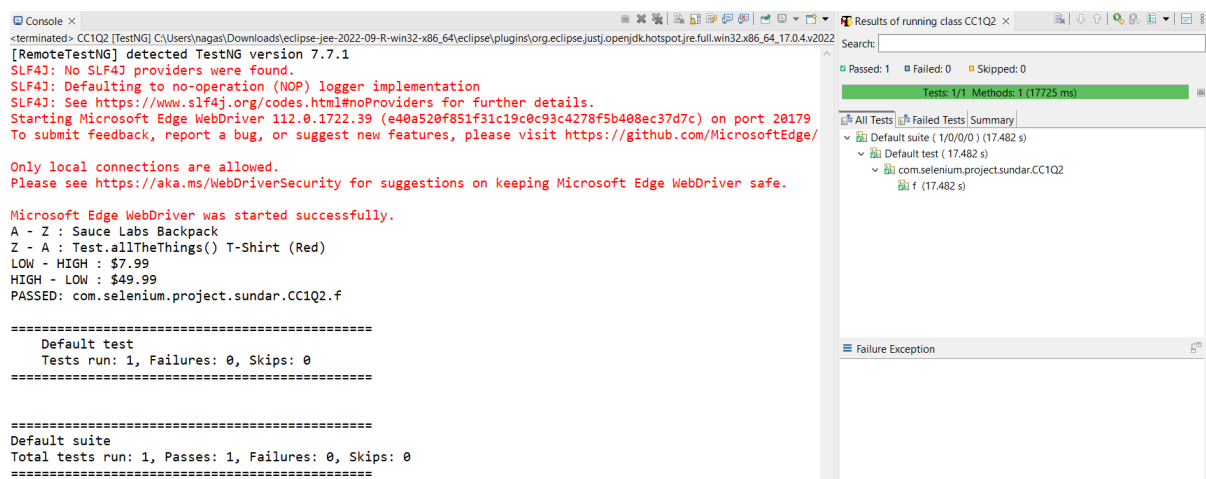
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[3]")).isEnabled();

driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[3]")).click();
System.out.println("LOW - HIGH : " +
driver.findElement(By.xpath("//*[@id=\"inventory_container\"]/div/div[1]/div[2]/div[2]/div")).getText());

driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[4]")).isEnabled();

driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[4]")).click();
System.out.println("HIGH - LOW : " +
driver.findElement(By.xpath("//*[@id=\"inventory_container\"]/div/div[1]/div[2]/div[2]/div")).getText());
driver.quit();
}
}
```

Output (Console) :



The screenshot displays the Eclipse IDE interface. On the left, the 'Console' window shows the execution output of a Selenium test. It includes messages about TestNG version 7.7.1, SLF4J logging, and the successful start of Microsoft Edge WebDriver. The test results are as follows:

```
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====

Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====
```

On the right, the 'Results of running class CC1Q2' window shows a summary of the test execution. It indicates that 1 test passed, 0 failed, and 0 were skipped. The test suite 'Default suite' took 17.482 seconds to execute, and the specific test 'com.selenium.project.sundar.CC1Q2' also took 17.482 seconds.